

United States Department of Agriculture
Animal and Plant Health Inspection Service
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil
Interstate Movement
Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

PERMITTEE NAME:	Chandrika Ramadugu	PERMIT NUMBER:	P526P-17-04209
ORGANIZATION:	University of California Riverside	APPLICATION NUMBER:	P526-171006-007
ADDRESS:	900 University Avenue Department of Botany and Plant Sciences Riverside, CA 92521	FACILITY NUMBER:	N/A
MAILING ADDRESS:	900 University Avenue Department of Botany and Plant Sciences Riverside, CA 92521	HAND CARRY:	No
PHONE:	951-902-8787	DATE ISSUED:	11/14/2017
FAX:		EXPIRES:	11/14/2020
DESTINATION:	900 University Avenue, Department of Botany and Plant Sciences, Riverside, CA 92521		
RELEASE:	No		

Under the conditions specified, this permit authorizes the following:

Article Category: Plant Pathogens - Bacteria

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Liberibacter asiaticus (candidatus)	Pest-infected plant material	Research - Lab	FL	Originally Collected from Within the Continental U.S.	non-viable Ca. Liberibacter asiaticus citrus tissue imprinted nitrocellulose membrane

PERMIT GUIDANCE

Receipt or use of foreign isolates or samples from countries under sanctions requires specific permission from the U.S. Department of Treasury (see <http://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx> for current country/regional listings) for current country listings.

This permit does not authorize importation, interstate movement, and/or environmental release of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology).

If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_anproducts.sh

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THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.

Jorge Abad

Jorge Abad

DATE

11/14/2017

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

This permit does not fulfill the requirements of other federal or state regulatory authorities. As appropriate, please contact the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, or your States Department of Agriculture to ensure proper permitting.

If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

PERMIT CONDITIONS


This permit authorizes the interstate movement of nitrocellulose membranes imprinted with citrus plants sap infected with non viable *Ca. Liberibacter asiaticus* and potentially viruses, from researchers in Florida to Chandrika Ramadugu of the University of California Riverside, located at 900 University Ave. Riverside, California 92521 for research in the laboratory. Experiments with the regulated articles must be conducted at the University of California facility at the above address, and is subject to the additional conditions below.

1. The permit holder must:
 - (a) comply with all requirements and permit conditions,
 - (b) maintain a valid permit so long as the regulated organisms are alive,
 - (c) this permit cannot be assigned or transferred to other persons.
 - (d) permittee must maintain a permanent residence in the United States
 - (e) safeguard and dispose of the regulated organisms during the term of this permit,
 - (f) take all necessary precautions to prevent the unauthorized release of regulated organisms. In the event of an unauthorized release, the permit holder must notify the permit unit,
 - (g) adequately mitigate environmental impacts resulting from unauthorized release of regulated organisms,
 - (h) contain any/all organisms not authorized under this permit,
 - (i) notify the permit unit of the receipt of unauthorized organisms,
 - (j) notify the permit unit if facilities are destroyed or decommissioned for any reason,
 - (k) maintain an official permanent work assignment at the address on this permit,
 - (l) notify the permit unit in advance of any change in the permit holder's work assignment,
 - (m) destroy all regulated organisms prior to departure unless other arrangements are confirmed by the permit unit prior to the permit holder's departure, and
 - (n) notify the permit unit of the destruction of regulated organisms.

Notifications to the permit unit must be made via 866-524-5421 or pest.permits@aphis.usda.gov within one business day of the event triggering a notification.

2. Without prior notice and during reasonable hours, authorized PPQ and/or State regulatory officials shall be allowed to inspect the conditions associated with the regulated organisms authorized under this permit.

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3. All persons working with these organisms must be informed of these permit conditions. Anyone working with these organisms must agree to and sign/ initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/ APHIS but must be readily accessible in the event of an inspection and presented upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

4. Interstate movement and release into the environment of genetically engineered organisms (created by use of recombinant DNA technology) are not authorized under this permit. A BRS permit is required for such activities (<http://www.aphis.usda.gov/biotechnology/permits.shtml>).
5. Movement of nitrocellulose membranes blots with plant citrus imprints are authorized by this permit.
6. All containers used for shipping the approved organisms must be sufficiently sturdy to prevent the release of the organisms. No foreign extracts in the membranes are authorized.
7. The membranes must be securely packaged so that there are at least two layers surrounding the regulated article to contain any potential pest or pathogen.
8. All packaging materials in contact with organisms and/or contaminants and all un-used and leftover organisms must be sufficiently heat or chemically treated to kill all plant pests and contaminants prior to disposal.
9. This authorization is strictly for laboratory research in a controlled environment and is not valid if the organism(s) will be used in field research or will be released into the environment.
10. No vector transmission studies are allowed.
11. Upon completion of research, anything that has contacted the regulated organisms must be devitalized by autoclaving, incineration, or other equivalent methods. Glassware and other materials used to conduct research must be decontaminated by soaking in a fresh bleach solution of 10 percent (1:10) for at least 30 minutes, in 70 percent ethanol, with quaternary ammonium compounds, or flamed with ethanol.
12. This permit does not authorize importation or environmental release (i.e., field studies) of these organisms. Separate Federal permits are required for such activities.
13. Under the Plant Protection Act, individuals or corporations who fail to comply with these conditions and authorizations, or who forge, counterfeit, or deface permits or shipping labels may receive civil or criminal penalties, and may have all current permits cancelled and future permit applications denied.

END OF PERMIT CONDITIONS

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